

FOREST INSECT AND DISEASE MANAGEMENT UNIT  
U.S. FOREST SERVICE  
DORAVILLE, GEORGIA

REPORT OF AERIAL EVALUATION

LAND OWNERSHIP OR SURVEY AREA: Chickamauga and Chattanooga National Military Park

STATE: Georgia and Tennessee

AREA WITHIN SURVEY BOUNDARY: 8,088 acres

DATE SURVEYED: 9/12/77

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 182

CREW: C. W. Dull  
W. A. Carothers

SURVEY OBJECTIVES: An aerial evaluation of southern pine beetle activity was conducted to determine the location and estimated size of infestations. The information obtained from the survey will be used in a biological evaluation of the southern pine beetle on the Chickamauga and Chattanooga National Military Park.

SURVEY RESULTS

A total of 13 spots of red and fading pine trees suspected of containing active southern pine beetle brood were detected. These 13 spots contained an estimated 90 trees. Spot size ranged from 1 to 15 trees with an average of 6.9 trees per spot. Large areas occupied by standing dead pine trees were observed.

The location of infestations detected on the current survey and the previous two surveys are shown on the attached maps.

CONCLUSIONS

The total number of active spots and total estimated number of red and fading pine trees has continued to decline during the summer of 1977. However, the average size of the spots observed on the September 12 aerial survey has slightly increased from those observed on the June 30 aerial detection survey.

As noted in the previous aerial detection report, approximately 50-75% of the area occupied by pine on the Chickamauga and Chattanooga National Military Park has

succumbed to attack by the southern pine beetle. The potential for additional damage caused by the southern pine beetle will be determined in the biological evaluation. Areas of red and fading pines or standing dead timber were not observed outside of, or adjacent to the National Park boundary.

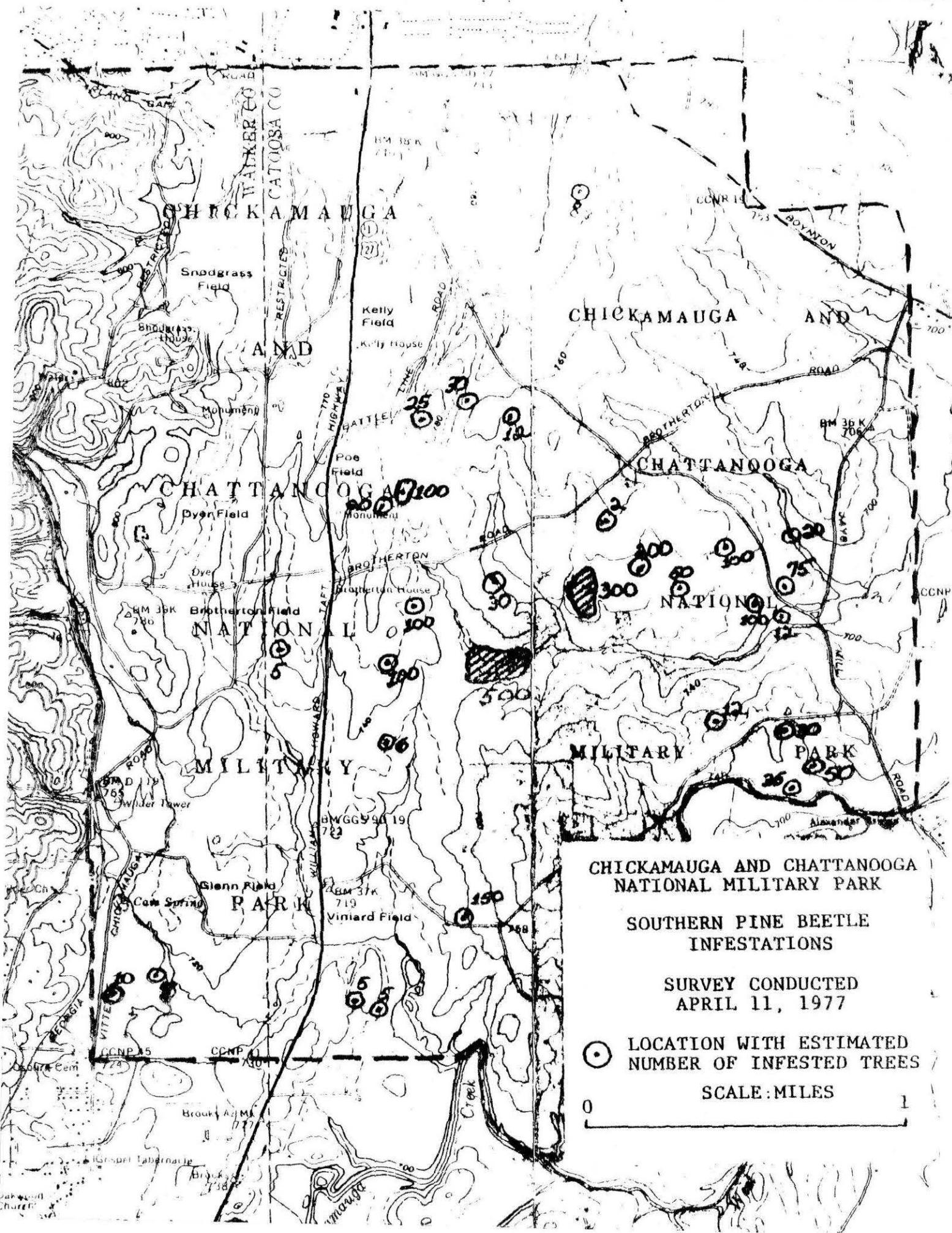
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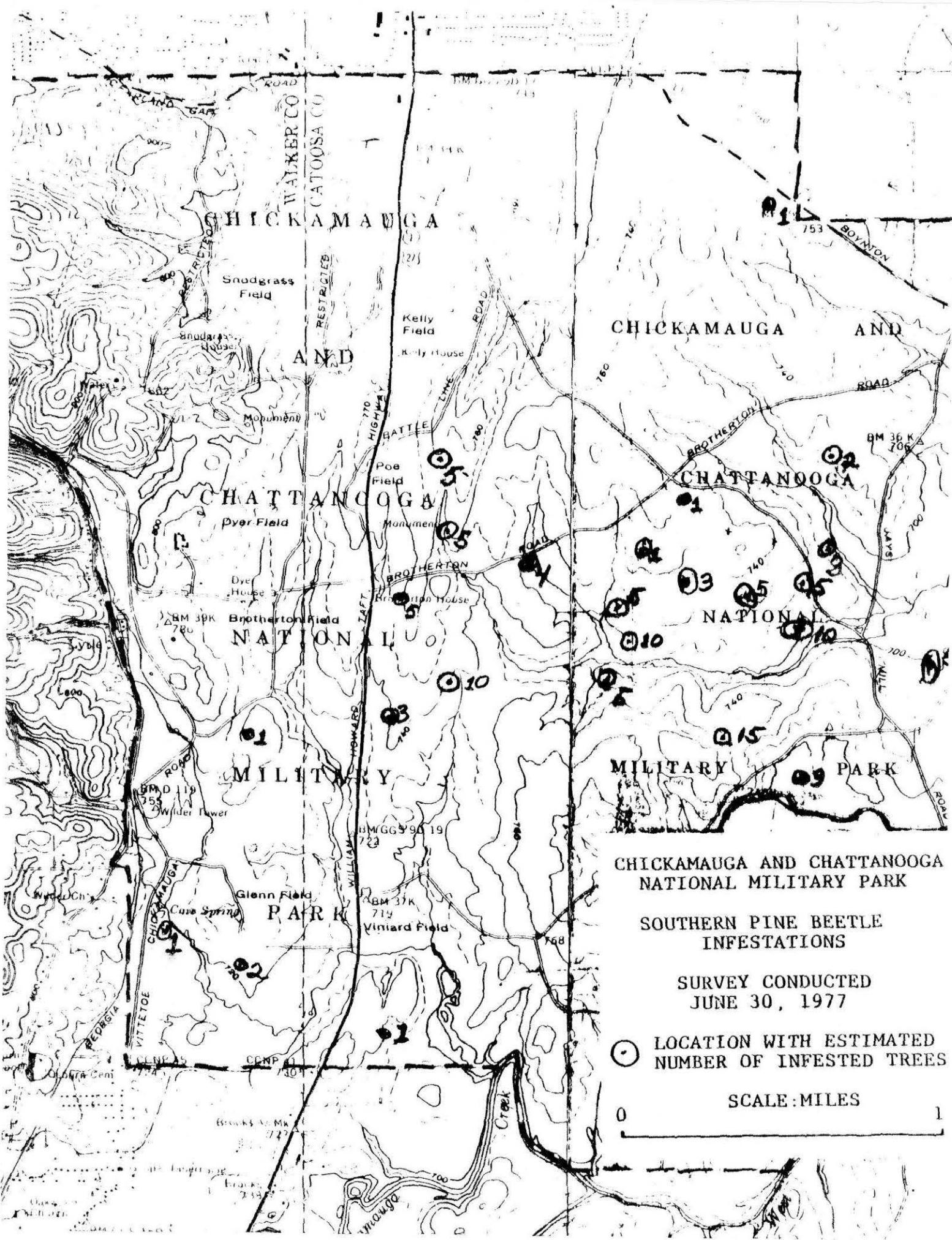
For any additional information, Contact

Forest Insect & Disease Management Unit, S&PF  
USFS - Southeastern Area

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3620 Interstate 85, N. E.  
Doraville, Ga. 30340  
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Asheville, N. C. 28803  
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Ext. 625





CHICKAMAUGA AND CHATTANOOGA  
NATIONAL MILITARY PARK

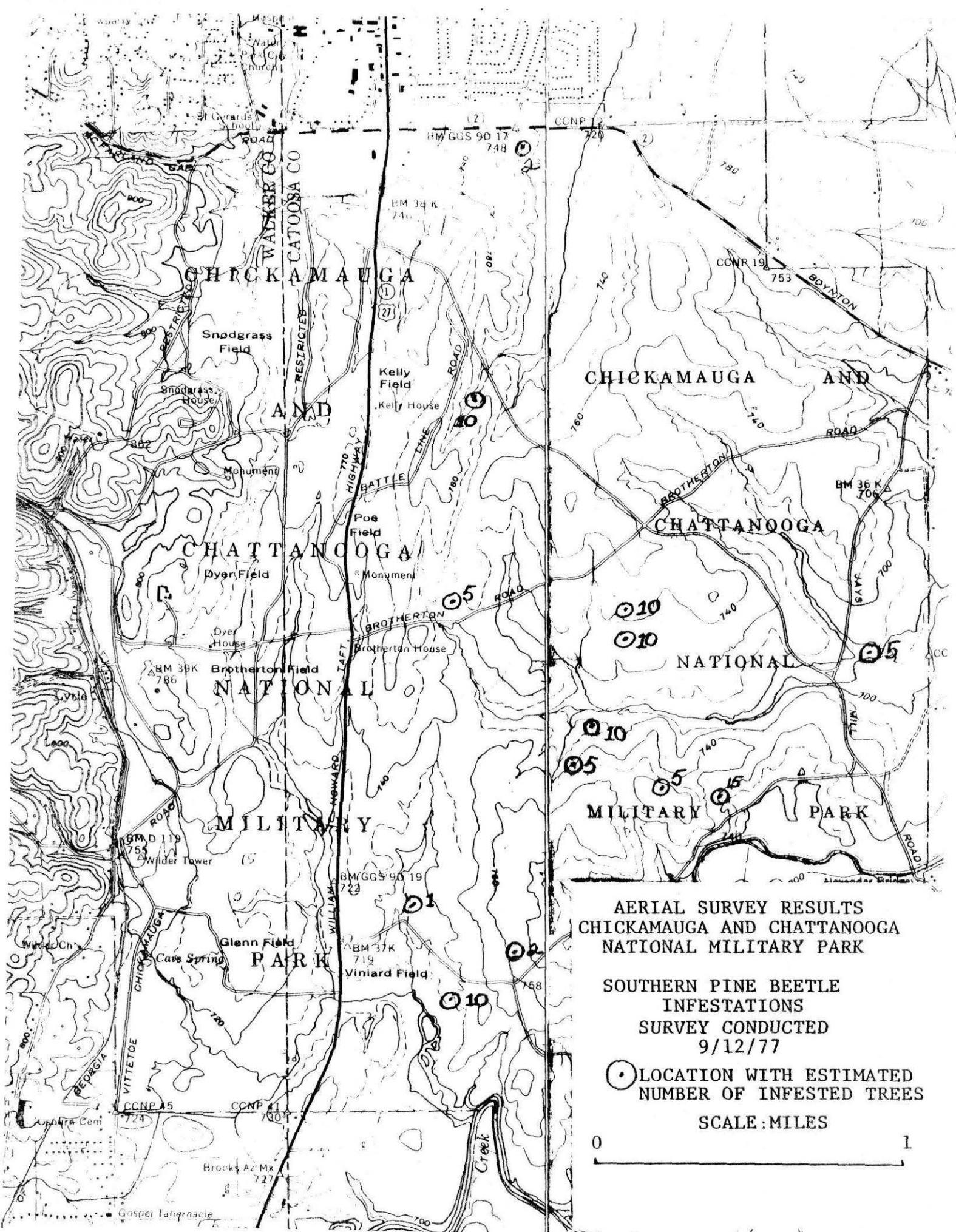
SOUTHERN PINE BEETLE  
INFESTATIONS

SURVEY CONDUCTED  
JUNE 30, 1977

LOCATION WITH ESTIMATED  
NUMBER OF INFESTED TREES

SCALE: MILES

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AERIAL SURVEY RESULTS  
CHICKAMAUGA AND CHATTANOOGA  
NATIONAL MILITARY PARK

SOUTHERN PINE BEETLE  
INFESTATIONS  
SURVEY CONDUCTED  
9/12/77

• LOCATION WITH ESTIMATED  
NUMBER OF INFESTED TREES

**SCALE : MILES**

1